

MP-UHD88-VW 4K60 HDMI Matrix

8x8 Seamless 4K UHD Matrix & Video Wall Processor



PRODUCT OVERVIEW

Professional seamless UHD matrix switcher and video wall processor with 8 HDMI inputs and 8 HDMI outputs. Supports synchronous seamless switching up to 4K@60Hz 4:4:4, 18Gbps signal processing, 4K scaling and video wall layouts up to 4x2. Control is available through the front panel/LCD, RS-232 and TCP/IP/Web GUI.

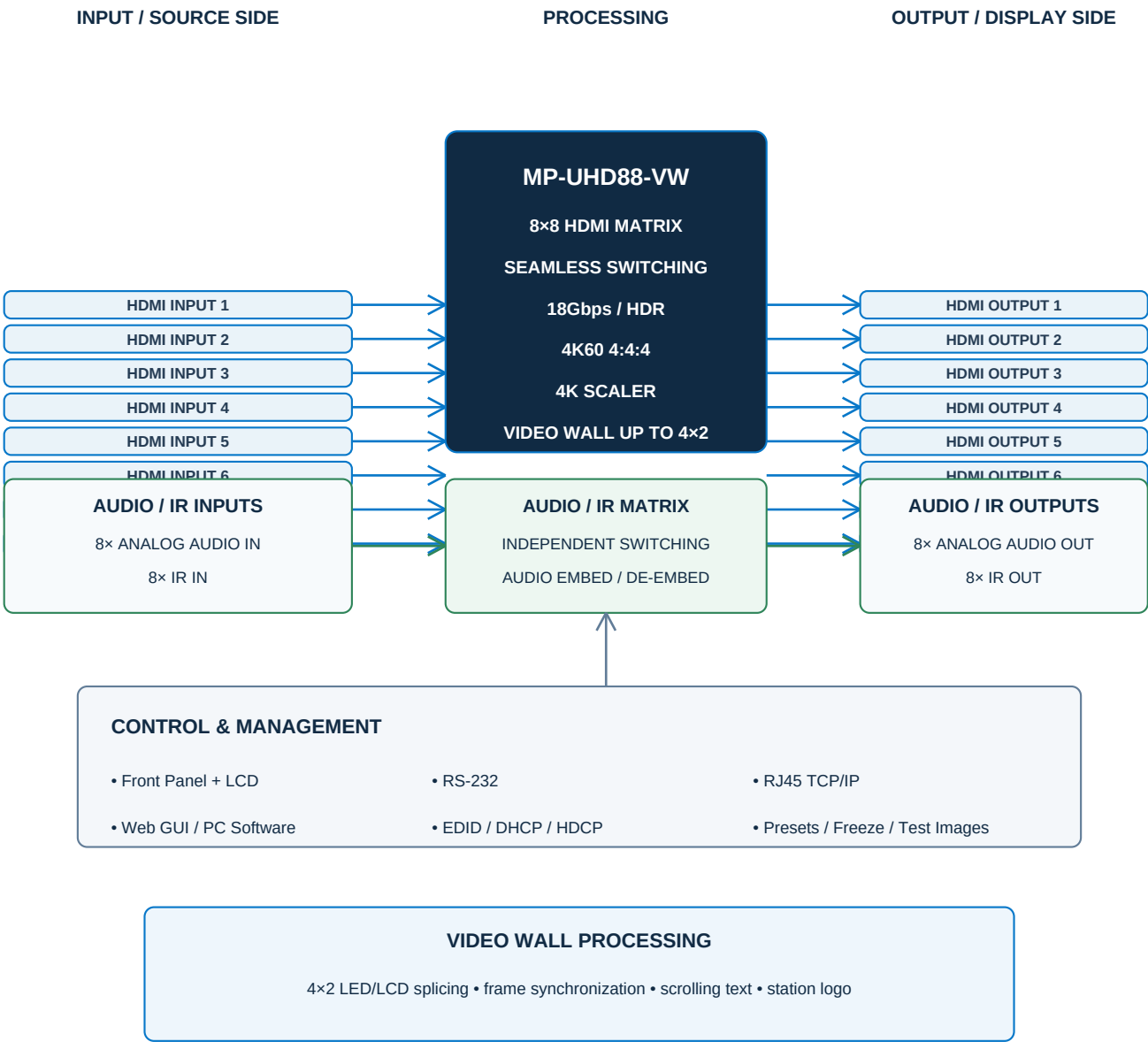
KEY FEATURES

- 8 HDMI inputs / 8 HDMI outputs with real-time seamless switching
- 8 IR inputs / 8 IR outputs and 8 analog audio inputs / 8 analog audio outputs
- 18Gbps full signal-path processing; HDR and 4K60 4:4:4
- 4K scaler, image clipping, station logo and scrolling text
- 4x2 LED/LCD video wall splicing with synchronization
- Independent audio and IR switching
- EDID management, DHCP and configurable HDCP
- 8 presets, panel locking, freeze/unfreeze and test images

System-Level Diagram (SLD)

Clear signal routing overview based strictly on the supplied MP-UHD88-VW datasheet

8×8 HDMI MATRIX + AUDIO / IR + CONTROL



Vector redraw for clarity — routing reflects the functions and I/O stated in the supplied datasheet.

Technical Specifications

Detailed specifications from the supplied MP-UHD88-VW datasheet

I/O & VIDEO

Model	MP-UHD88-VW
Input	8×HDMI, 8×IR, 8× analog audio
Output	8×HDMI, 8×IR, 8× analog audio
Video protocol	HDMI 2.0, HDCP 2.2
Maximum resolution	4096 × 2160 @ 60Hz (4:4:4)
HDMI interface	Type A, 19-pin, female
Serial interface	RS-232 IN, DB9 Female; RS-232 OUT, DB9 Male
Input cable length	10 meters by HDMI 2.0 cable
Output cable length	10 meters by HDMI 2.0 cable
Impedance	100 ± 15 ohm
RJ45 control protocol	TCP/IP
Ethernet rate	Self-adaptive 10M / 100M

POWER, MECHANICAL & ENVIRONMENTAL

Storage environment	Temperature: -20°C to +70°C; humidity: 10%–90%
Work environment	Temperature: 0°C to +50°C; humidity: 10%–90%
Power supply	AC 110–240V
Maximum power	100W
Chassis	1U
Dimensions (W×D×H)	430 × 260 × 44.5 mm
Weight	3.5 kg
MTBF	30,000 hours
Warranty	One-year warranty and lifetime maintenance

Applications & Feature Set

Professional presentation, collaboration and video wall applications

4x2 VIDEO WALL APPLICATION

- 1 4x2 video wall
- 2 Scrolling Text



Stage Presentations

Seamless source switching and large-format video wall presentation.

Digital Classrooms

Flexible HDMI routing, scaling, audio management and control.

Video Conference Rooms

Matrix routing with independent audio/IR switching and network control.

LED / LCD Video Walls

Up to 4x2 splicing with synchronization and scrolling text.

CORE FEATURES

- Full 18G signal processing with HDR and 4K60 4:4:4.
- 4K scaler for conversion to the monitor's native resolution.
- Automatic input cable equalization and automatic output reclocking.
- Output mute, freeze/unfreeze and configurable no-signal behavior.
- EDID management and configurable HDCP input version.
- 8 presets with front-panel / RS-232 recall; panel locking.
- Input and output test images for engineering and connection checks.
- Station logo, scrolling subtitles and welcome slogans.
- Silent fan with intelligent control.